ELSEVIER

Journal of Hydrology 253 (2001) 251

Journal of Hydrology

www.elsevier.com/locate/jhydrol

Contents of Volume 253

Vol. 253 Nos. 1–4 **November 15, 2001**

Modelling the Mekong: hydrological simulation for environmental impact studies
G. Kite 1

Hydrogeochemistry of groundwaters from carbonate formations with basal gypsiferous layers: an example from the Mt Catria–Mt Nerone ridge (Northern Appennines, Italy)
B. Capaccioni, M. Didero, C. Paletta and P. Salvadori. 14

Inversion of pressure observations: an integral formulation
D.W. Vasco and K. Karasaki 27

Fuzzy conceptual rainfall–runoff models
E.C. Özelkan and L. Duckstein 41

Hydrological controls on chemical export from an undisturbed old-growth Chilean forest
C.D. Salmon, M.T. Walter, L.O. Hedin and M.G. Brown 69

Distribution of trace metals in the Hindon River system, India
C.K. Jain and M.K. Sharma 81

Dynamics of sediment discharge in relation to land-use and hydro-climatology in a humid tropical watershed in Costa Rica
J. Krishnaswamy, P.N. Halpin and D.D. Richter 91

Slope runoff processes and flow generation in a subarctic, subalpine catchment
S.K. Carey and M.-k. Woo. 110

Modeling the water balance and soil water fluxes in a fast growing Eucalyptus plantation in Brazil
J.V. Soares and A.C. Almeida 130

Surface temperature adjustments to improve weather radar representation of multi-temporal winter precipitation accumulations
S.R. Fassnacht, N. Kouwen and E.D. Soulis 148

On the parametric and NEXRAD-radar sensitivities of a distributed hydrologic model suitable for operational use
T.M. Carpenter, K.P. Georgakakos and J.A. Sperfslagea 169

Effect of land use and urbanization on hydrochemistry and contamination of groundwater from Taejon area, Korea
C.H. Jeong 194

Factors regulating spatial distribution of soil water content in small semiarid catchments
A. Gómez-Plaza, M. Martínez-Mena, J. Albaladejo and V.M. Castillo 211

Turbidity-based erosion estimation in a catchment in South Australia
H. Sun, P.S. Cornish and T.M. Daniell 227

Effects of spatial resolution on a raster based model of flood flow
M.S. Horritt and P.D. Bates 239